

Work Order ID 151819

Friday, March 10, 2017 12:55:20 PM

151819

Page 1

Item ID: D412-742-011 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: URF 16-572 Stop ***NS2***
Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible
Start Date: 11/9/2016 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 11/10/2016 Reg'd Qty: 1.00 ***1*** Customer: CHELI02
Reference: RMA RA112329 **DISASSEMBLE**

Approvals: Process Plan: WNF Date: 17-3-10 Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
IIN-D412-742	E

100

0.00

100

QC

Quality Control

MemoINSPECT RA112329
D412-742-011 X 1 B112117

CUSTOMER ORDERED WRONG PART

TRIBEAMS ARE NOW SCRAP

DISSASSEMBLE AND RETURN PARTS UNDER ORIGINAL BATCH
NUMBER

SEE ATTACHED

110

0.00

110

HandFinish

Hand Finishing

Memo

SCRAP TUBE

DAS
27
9-89

MAR 24 2017

DART AEROSPACE				1270 ABERDEEN ST. HAWKESBURY ON. CANADA K6A 1K7 TEL 1-613-632-5200 www.dartaerospace.com	
PATENT	US #5735484 / CA #2222184 / EURO #0828655				
P/N	D412-742-011	CHG	CHG007		
DESC.	Float Skidtube	STC	SR01583SE		
LOT	B112117	STC	SH05-37		
MODEL	Bell 205/210/212/412/AB412	STC			
TC APPROVAL # 09-89		MADE IN CANADA		D2729-4	

1x d sel 17-3-10

Work Order ID 151819

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Item ID: D412-742-011 **Accept** ***N900040100*** **Setup Start *NS1***
Revision ID: URF 16-572 **Stop *NS2***
Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible
Start Date: 11/9/2016 **Start Qty:** 1.00 ***1*** **Cust Item ID:**
Required Date: 11/10/2016 **Req'd Qty:** 1.00 ***1*** **Customer:** CHELI02
Reference: RMA RA112329

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____ **Run Start *NR1***
QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____ **Stop *NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC21- Final Inspection - Work Order Release	0.00							
120									
QC	Memo	0.00							
Quality Control									



APR 26 2017

Picklist Print

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Work Order ID: 151819

151819

Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 11/9/2016

Required Date: 11/10/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev: A05.10.13New IssueKJ/JLM
IPP Rev:B 06-06-08 As per DSI9336 JLM
IPP Rev:C 07-05-28 As per Rev C JLM
IPP rev D 07.11.01 ecn 1053P EC
IPP rev E 07.11.27 ecn 1072 EC verified by:DD
IPP Rev:F 08-09-08 ecn 08-510 DD verified by:EC
IPP Rev:G 09-01-23 as per DSI9441 DD verified by:EC IPP Rev:H
11.11.01 as per DSI9517 REV.B DD verified by:EC IPP rev:I 12.01.12
PER IIN REV.E DD VERF:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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AN3C37A

Purchased

No

Each

256.0000

-3

AN3C37A

BOLT

Location

Loc Qty

Loc Code

OVER002

210

M132381

70

M135718

70

M136658

70

ST347

46

I22204

3

I24131

3

M125730

3

M126345

3

M131856

4

M132169

30

INF 17-3-10

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Work Order ID: 151819

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 11/9/2016

Required Date: 11/10/2016

AN3C40A

Purchased

No

Each

26.0000

Start Qty: 1.00

-2

Required Qty: 1.00

AN3C40A

Bolt

Location

Loc Qty

Loc Code

FG

5

11442

5

OVER002

8

m136602

8

ST347

13

122843

4

123930

2

M126176

2

m134627

5

MF 17-3-10

AN3C41A

Purchased

No

Each

279.0000

-3

AN3C41A

Bolt

Location

Loc Qty

Loc Code

FG

10

122843

5

124975

1

m130081

4

OVER002

225

m132522

75

m135718

75

m136658

75

ST347

44

122843

3

123930

3

m127300

3

m132169

3

m132381

32

MF 17-3-10

Picklist Print

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Work Order ID: 151819

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 11/9/2016

Required Date: 11/10/2016

AN3C42A

Purchased

No

Each

50.0000

Start Qty: 1.00

-3

Required Qty: 1.00

AN3C42A

Bolt

Location

Loc Qty

Loc Code

FG

5

121103

5

ST338a

3

m130485

3

ST346

9

122241

3

123930

3

124884

3

ST347

33

m127300

3

m133920

10

m134131

10

m134133

10

MF 17-310

AN3C43A

Purchased

No

Each

55.0000

-3

AN3C43A

Bolt

Location

Loc Qty

Loc Code

FG

10

120465

10

OVER002

12

m136866

12

ST346

18

122843

3

123930

3

M126007

3

M126621

3

m135603

6

ST347

15

m136295

15

MF 17-310

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Work Order ID: 151819

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 11/9/2016

Required Date: 11/10/2016

AN3C44A

Purchased

No

Each

44.0000

Start Qty: 1.00

-9

Required Qty: 1.00

AN3C44A

Bolt

Location

Loc Qty

Loc Code

FG

8

110848

8

ST346

36

122843

18

124263

9

m127052

9

Each

35.0000

-10

MF 17-3-10

AN3C47A

Purchased

No

AN3C47A

Bolt

Location

Loc Qty

Loc Code

FG

2

116874

2

ST346

33

123116

20

125389

3

m127203

10

MF 17-3-10

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Work Order ID: 151819

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cyl. Float Compatible

Start Date: 11/9/2016

Required Date: 11/10/2016

AN4C47A Purchased No Each 49.0000 Start Qty: 1.00 Required Qty: 1.00 -4

AN4C47A

**

Bolt

Location	Loc Qty	Loc Code
FG	10	
122491	10	
ST341	39	
112491	2	
122843	4	
124131	4	
<u>M126007</u>	6	
m136269	7	
m136549	16	

MF 17-3-10

AN4C52A

Purchased No

Each 74.0000 -4

AN4C52A

**

Bolt

Location	Loc Qty	Loc Code
FG	5	
122518	5	
OVER002	43	
m135723	43	
ST340	26	
120754	1	
<u>122518</u>	4	
122843	4	
123598	3	
M126293	4	
m135646	10	

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Work Order ID: 151819

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 11/9/2016

Required Date: 11/10/2016

AN4C53A Purchased No Each 50.0000 Start Qty: 1.00 Required Qty: 1.00
-4

AN4C53A

**

BOLT

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST340	50	
122193	4	
124132	4	
M125730	4	
M127204	4	
m136215	34	

MF 17-3-10

AN4C6A

Purchased No

Each 489.0000 -16

AN4C6A

**

Bolt

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
FG	14	
103344	4	
121657	10	
OVER002	228	
m136318	128	
m137026	100	
ST345	247	
122800	16	
m125709	32	
m136047	199	

MF 17-3-10

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Work Order ID: 151819

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 11/9/2016

Required Date: 11/10/2016

AN4C7A

Purchased

No

Each

90.0000

Start Qty: 1.00

Required Qty: 1.00

-4

AN4C7A

**

BOLT

Location

Loc Qty

Loc Code

OVER002

54

m136295

54

ST345

36

109147

4

123900

8

125388

4

m135864

20

MF 17-3-10.

AN6C12A

Purchased

No

Each

112.0000

-8

AN6C12A

**

Bolt

Location

Loc Qty

Loc Code

over005

50

M136263

25

M136838

25

ST335

62

122808

8

124561

16

M127290

8

M135671

30

MF 17-3-10

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Work Order ID: 151819

151819

Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 11/9/2016

Required Date: 11/10/2016

D2571

Manufactured No

Each

24.0000

Start Qty: 1.00

-1

Required Qty: 1.00

D2571

Saddle, Fwd, Out

**

Location

Loc Qty

Loc Code

ST397

24

109923

1

130850

1

153726

4

155486

8

156760

8

89090

1

99202

1

MF 17-3-10

D2572

Manufactured No

Each

22.0000

-1

D2572

Saddle, Fwd, In

**

Location

Loc Qty

Loc Code

ST397

22

109924

1

131069

1

153799

2

155591

8

156278

8

91372

1

98622

1

MF 17-3-10

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Work Order ID: 151819

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 11/9/2016

Required Date: 11/10/2016

D2573

Manufactured No

Each

27.0000

Start Qty: 1.00

-1

Required Qty: 1.00

D2573

Saddle, Aft, Out

**

Location

Loc Qty

Loc Code

ST398

23

109763

1

155638

8

156315

12

90213

1

99396

1

ST498

4

105413

1

153833

3

Each

10.0000

-1

**

MF 17-3-10.

D2574

Manufactured No

D2574

Saddle, Aft, In

Location

Loc Qty

Loc Code

ST498

10

106297

1

109607

1

156032

6

89900

1

98612

1

MF 17-3-10

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Work Order ID: 151819

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 11/9/2016

Required Date: 11/10/2016

D2747

Manufactured No

Each

Start Qty: 1.00
184.0000 -4

Required Qty: 1.00

D2747

**

Set Screw

Location

Loc Qty

Loc Code

ST010

184

152598

18

154433

50

157262

100

86827

8

97968

4

99355

4

MF 17-3-10

D2876

Manufactured No

Each

57.0000 -2

**

D2876

Saddle Spacer

Location

Loc Qty

Loc Code

ST013

35

102422

2

106074

2

153988

11

154778

16

88282

2

92502

2

ST025A

22

156220

22

MF 17-3-10

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Work Order ID: 151819

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 11/9/2016

Required Date: 11/10/2016

D2877

Manufactured No

Each

54.0000

Start Qty: 1.00

-2

Required Qty: 1.00

D2877

**

Saddle Spacer

LocationLoc QtyLoc Code

ST013

34

103013

2

106231

2

145949

2

154007

8

154785

16

86890

2

92548

2

ST025A

20

156280

20

MF 17-3-10

D3403-1

Manufactured No

Each

126.0000

-8

D3403-1

**

Bushing

LocationLoc QtyLoc Code

ST033

126

149200

11

153760

36

156213

47

86717

8

88782

24

MF MF 17-3-10

D3403-3

Manufactured No

Each

90.0000

-8

D3403-3

**

Bushing

LocationLoc QtyLoc Code

ST033

90

149274

18

154827

40

86943

8

88783

24

MF 17-3-10

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Work Order ID: 151819

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 11/9/2016

Required Date: 11/10/2016

D3403-5

Manufactured No

Each

54.0000

Start Qty: 1.00

-8

Required Qty: 1.00

D3403-5

Bushing

**

Location

Loc Qty

Loc Code

ST034

54

149249

22

86832

8

88784

24

MF 17-3-10

D3405-041

Manufactured No

Each

18.0000

**

-1

D3405-041

Ground Handling Lug

Location

Loc Qty

Loc Code

st529

18

100886

1

108437

1

151325

6

155541

8

89218

1

98372

1

MF 17-3-10

D3405-043

Manufactured No

Each

21.0000

**

-1

D3405-043

Ground Handling Lug

Location

Loc Qty

Loc Code

st529

21

100877

1

108792

1

150832

7

151326

10

90052

1

94611

1

MF 17-3-10

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Work Order ID: 151819

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 11/9/2016

Required Date: 11/10/2016

D3407-041

Manufactured No

Each

24.0000

Start Qty: 1.00

-1

Required Qty: 1.00

D3407-041

**

Tow Ring

Location

Loc Qty

Loc Code

st530

24

106005

1

10069

1

153698

5

155492

15

78878

1

88212

1

MF 17-3-10

D3417-3

Manufactured No

Each

29.0000

**

-1

D3417-3

Washer

Location

Loc Qty

Loc Code

FG

7

33519

7

ST034

22

106077

1

149290

15

86735

3

93758

3

MF 17-3-10

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Work Order ID: 151819

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 11/9/2016

Required Date: 11/10/2016

D3456-1

Manufactured No

Each

Start Qty: 1.00
128.0000

Required Qty: 1.00

-1

D3456-1

**

Washer

Location	Loc Qty	Loc Code
FG	7	
25701	7	
ST037	46	
103539	1	
106784	1	
152842	18	
154870	25	
97542	1	
ST038A	75	
156723	25	
157166	50	

JMF 17-3-10.

D3533-1

Manufactured No

Each

85.0000

-2

D3533-1

**

Set Screw

Location	Loc Qty	Loc Code
ST040	54	
02438	4	
156724	50	
ST041	31	
152597	27	
87348	2	
88328	2	

JMF 17-3-10

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Work Order ID: 151819

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Parent Item: D412-742-011

D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 11/9/2016

Required Date: 11/10/2016

D3591-1

Manufactured No

Each

51.0000

Start Qty: 1.00

-2

Required Qty: 1.00

D3591-1

**

Bushing

Location

Loc Qty

Loc Code

FG

10

115645

4

92873

6

FP001

41

100699

2

109107

2

134643

9

141636

6

149167

3

153743

7

157205

4

157646

8

MF 17-3-10

D412-742-011

Manufactured No

Each

0.0000

1

D412-742-011

**

Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

D412-742-015

Manufactured No

Each

4.0000

-1

D412-742-015

**

Electric Step

Location

Loc Qty

Loc Code

FG121

4

87638

2

95162

2

MF 17-3-10

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Item ID: D412-742-011 **Accept** ***N900040100*** **Setup Start *NS1***
Revision ID: URF 16-572 **Stop *NS2***
Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible
Start Date: 11/9/2016 **Start Qty:** 1.00 ***1*** **Cust Item ID:**
Required Date: 11/10/2016 **Req'd Qty:** 1.00 ***1*** **Customer:** CHELI02
Reference: RMA RA112329

Approvals: **Process Plan:** UMF **Date:** 16-11-15 **Tooling:** _____ **Date:** _____ **Run Start *NR1***
QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____ **Stop *NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
IIN-D412-742	E

100

0.00

100

QC

Quality Control

MemoINSPECT RA112329
D412-742-011 X 1 B112117

CUSTOMER ORDERED WRONG PART

D412-742-011 IS U/R
STOCK IN QUARANTINE @ CHG 007 UNTIL DRAWINGS ARE RELEASED

① 16-12-15

DAS
9
9-89

110

Identify as per dwg & Stock Location: _____ 0.00

110

Packaging

Packaging

Memo

ID AND STOCK UNDER NEW BATCH NUMBER @ CHG 007

IN QUARANTINE AREA

N
A
MF
17-3-10

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By _____ Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
		OTHER : _____			

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[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
		OTHER : ☐			

Tuesday, November 15, 2016 3:36:05 PM

Parent Item: D412-742-011

Parent Item Name: Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

Start Date: 11/9/2016**Required Date:** 11/10/2016

Start Qty: 1.00

Required Qty: 1.00

IPP Rev: A05.10.13New IssueKJ/JLM

IPP Rev:B 06-06-08 As per DSI9336 JLM

IPP Rev:C 07-05-28 As per Rev C JLM

IPP rev D 07.11.01 ecn 1053P EC

IPP rev E 07.11.27 ecn 1072 EC verified by:DD

IPP Rev:F 08-09-08 ecn 08-510 DD verified by:EC

IPP Rev:G 09-01-23 as per DSI9441 DD verified by:EC IPP Rev:H

11.11.01 as per DSI9517 REV.B DD verified by:EC IPP rev:I 12.01.12

PER IIN REV.E DD VERF:

D412-742-011

Skidtube Fits LH or RH High Gear, DART (Apical) & OEM Cylin. Float Compatible

112117 MF 16-11-15-

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
		OTHER : ☐			

LOT TRACKING !!

Reason	Parent Item ID	Lot Qty	Lot Nbr	Lot Trans Date	Avg Cost Amt	Last Cost Amt
112117	AN3C37A	-3	M126345	2/3/2014 10:17:59 AM	\$5.93	\$6.00
112117	AN3C40A	-2	M126176	2/3/2014 10:17:58 AM	\$13.52	\$18.00
112117	AN3C41A	-3	m127300	2/3/2014 10:17:58 AM	\$14.72	\$14.50
112117	AN3C42A	-3	m127300	2/3/2014 10:17:58 AM	\$9.52	\$9.50
112117	AN3C43A	-3	M126621	2/3/2014 10:17:58 AM	\$3.95	\$3.83
112117	AN3C44A	-9	m127052	2/3/2014 10:17:58 AM	\$3.65	\$2.85
112117	AN3C47A	-10	m127203	2/3/2014 10:17:58 AM	\$42.33	\$45.00
112117	AN4C47A	-2	M126007	2/3/2014 10:17:59 AM	\$16.50	\$16.50
112117	AN4C47A	-2	112491	2/3/2014 10:17:59 AM	\$16.50	\$16.50
112117	AN4C52A	-4	122518	2/3/2014 10:18:01 AM	\$15.17	\$14.95
112117	AN4C53A	-4	M127204	2/3/2014 10:18:01 AM	\$16.75	\$16.75
112117	AN4C6A	-16	m125709	2/3/2014 10:18:01 AM	\$5.50	\$5.50
112117	AN4C7A	-4	125388	2/3/2014 10:18:00 AM	\$3.38	\$3.37
112117	AN6C12A	-8	M127290	2/3/2014 10:18:01 AM	\$1.88	\$1.88
112117	D2571	-1	109923	2/3/2014 10:18:03 AM	\$211.70	\$201.90
112117	D2572	-1	109924	2/3/2014 10:18:03 AM	\$180.84	\$181.97
112117	D2573	-1	109763	2/3/2014 10:18:03 AM	\$207.28	\$210.18
112117	D2574	-1	109607	2/3/2014 10:18:03 AM	\$185.11	\$188.70
112117	D2747	-4	86827	2/3/2014 10:18:02 AM	\$6.66	\$6.66
112117	D2876	-2	106074	2/3/2014 10:18:03 AM	\$3.53	\$4.97
112117	D2877	-2	106231	2/3/2014 10:18:02 AM	\$5.82	\$5.29
112117	D3403-1	-8	88782	2/3/2014 10:18:02 AM	\$15.91	\$19.66
112117	D3403-3	-8	88783	2/3/2014 10:18:02 AM	\$9.18	\$11.16
112117	D3403-5	-8	88784	2/3/2014 10:18:02 AM	\$8.74	\$9.33
112117	D3405-041	-1	108437	2/3/2014 10:17:59 AM	\$106.94	\$109.81
112117	D3405-043	-1	108792	2/3/2014 10:17:59 AM	\$89.55	\$85.15
112117	D3407-041	-1	110069	2/3/2014 10:18:04 AM	\$92.47	\$95.29
112117	D3417-3	-2	106077	2/3/2014 10:18:03 AM	\$5.73	\$7.58
112117	D3456-1	-1	103539	2/3/2014 10:17:59 AM	\$2.24	\$2.25
112117	D3533-1	-2	102438	2/3/2014 10:18:02 AM	\$2.23	\$2.23
112117	D3591-1	-2	109107	2/3/2014 10:18:00 AM	\$11.93	\$18.83
112117	D3672-11	-8	91746	2/3/2014 10:18:00 AM	\$2.28	\$2.28
112117	D3672-3	-32	93925	2/3/2014 10:18:01 AM	\$2.26	\$2.25
112117	D3672-9	-8	94989	2/3/2014 10:18:00 AM	\$3.30	\$3.32
112117	D412-742-015	-1	95162	2/4/2014 7:35:55 AM	\$12.01	\$14.33
112117	MS21043-3	-33	m126741	2/3/2014 10:17:57 AM	\$3.30	\$3.30
112117	MS21043-4	-29	m127255	2/3/2014 10:18:00 AM	\$4.42	\$4.42
112117	NAS1149C0332R	-66	m127831	2/3/2014 10:17:57 AM	\$0.02	\$0.02
112117	NAS1149C0432R	-32	m126221	2/3/2014 10:18:01 AM	\$0.02	\$0.02
112117	NAS1149C0632R	-8	125654	2/3/2014 10:18:00 AM	\$1.15	\$1.15